AMENDMENT RESPONSIVE TO OFFICE ACTION

Applicant amends the application as follows:

IN THE SPECIFICATIION

Applicant amends the Specification as follows:

Please delete page 1 lines 13-17.

Page 16 line 17, insert a "-" before "α_n" in the Second 2-ary Precorder Lookup Table.

Page 21 line 3, change the second "1" to "3" in the $\alpha_n=[d_n-d_{n-1}+3]_{mod8}$ in the 4-ary Precorder Lookup Table.

Rewritten Tables

Second 2-ary Precoder Lookup Table			
d_n	d_{n-1}	$\alpha_n=[d_n-d_{n-1}+1]_{mod4}$ n: even	$-\alpha_n=[d_n-d_{n-1}+1]_{mod4}$ n: odd
-1	-1	$+1$	-1
-1	$+1$	-1	$+1$
$+1$	-1	-1	$+1$
$+1$	$+1$	$+1$	-1

4-ary Precoder Lookup Table			
d_n	d_{n-1}	$\alpha_n = [d_n - d_{n-1} + 1]_{mod8}$	$\alpha_n = [d_n - d_{n-1} + 3]_{mod8}$
−3	−3	+1	+3
−3	−1	−1	+1
−3	+1	−3	−1
−3	+3	+3	−3
−1	−3	+3	−3
−1	−1	+1	+3
−1	+1	−1	+1
−1	+3	−3	−1
+1	−3	−3	−1
+1	−1	+3	−3
+1	+1	+1	+3
+1	+3	−1	+1
+3	−3	−1	+1
+3	−1	−3	−1
+3	+1	+3	−3
+3	+3	+1	+3